

Appl. No. 10/695,580
Amdt. dated 9/12/06
Reply to Office action of 6/13/06

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled).

Claim 2 (currently amended). The method according to claim 1, which comprises forming the radiation-optical functional surface in alignment with the transducer.

Claim 3 (currently amended). ~~The method according to claim 1, which comprises,~~ A method for producing an optoelectronic component, which comprises:

providing an optoelectronic transducer mounted on a support with inner flat conductors and outer flat conductors;

embedding the transducer and the inner flat conductors in a plastic housing;

milling the plastic housing to form a radiation-optical functional surface for a coupling partner from a material of the plastic housing; and

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prior to the milling step, die-casting an outer enclosure with a guiding stub for the coupling partner onto the plastic housing.

Claim 4 (currently amended). ~~The method according to claim 1, which comprises~~ A method for producing an optoelectronic component, which comprises:

providing an optoelectronic transducer mounted on a support with inner flat conductors and outer flat conductors;

casting ~~the~~ a plastic housing with a guiding stub in a mold, with the guiding stub being separated from the plastic housing by a separating wall;

embedding the transducer and the inner flat conductors in the plastic housing; and

milling the plastic housing to form a radiation-optical functional surface for a coupling partner from a material of the plastic housing.

Claim 5 (original). The method according to claim 4, which comprises milling a through-opening into the separating wall.

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Claim 6 (original). The method according to claim 4, which comprises forming the separating wall during the casting of the plastic housing from a plug, and removing the plug before the milling step.

Claim 7 (original). The method according to claim 5, which comprises utilizing a milling head having an outer diameter smaller than an inner diameter of the guiding stub for milling, to form a disk-shaped stop face in the through-opening.

Claim 8 (original). The method according to claim 7, which comprises aligning the stop face symmetrically relative to a radiation-optical axis.

Claim 9 (original). The method according to claim 7, which comprises setting a spacing distance between a vertex point of the optical functional surface and the stop face to between 10 μm and 100 μm .

Claim 10 (original). The method according to claim 9, which comprises setting the spacing distance to between 40 μm and 60 μm .

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Claim 11 (new). The method according to claim 4, which comprises forming the radiation-optical functional surface in alignment with the transducer.